Visualizing and Predicting Heart Diseases with an Interactive Dashboard

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Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

Dashboard Showing Different Types Of Visuals

DataSet:

1. **Age:** Age of subject.

2. **Sex:** Gender of subject: 0 = female 1 = male.

3. Chest-pain type:

   a. Type of chest-pain experienced by the individual:

   b. 1 = typical angina

   c. 2 = atypical angina

   d. 3 = non-angina pain

   e. 4 = asymptomatic angina

4. **Resting Blood Pressure:** Resting blood pressure in mmHg.

5. **Serum Cholesterol:** Serum cholesterol in mg/dl.

6. **Fasting Blood Sugar:** Fasting blood sugar level relative to 120 mg/dl: 0 = fasting blood sugar <= 120 mg/dl 1 = fasting blood sugar > 120 mg/dl.

7. **Resting ECG:** Resting electrocardiographic results
   a. 0 = normal
   b. 1 = ST-T wave abnormality
   c. 2 = left ventricular hypertrophy

8. **Max Heart Rate Achieved:** Max heart rate of subject.

9. **Exercise Induced Angina:** 0 = no 1 = yes.

10. **ST Depression Induced by Exercise Relative to Rest:** ST Depression of subject.

11. **Peak Exercise ST Segment:**
    a. 1 = Up-sloping
    b. 2 = Flat
    c. 3 = Down-sloping

12. **Number of Major Vessels (0-3) Visible on Fluoroscopy:** Number of visible vessels under fluoro.

13. **Thal:** Form of thalassemia:
    a. 3 3 = normal
    b. 6 = fixed defect
    c. 7 = reversible defect

The following are the different types of visuals in Dashboard. They are

Multivariate Dashboard: